
STARPLEX 83 CC

Material Safety Data Sheet

Revised on: 1 June 2014

Revision number 2

1. Substance/preparation and company identification

ULTRAKILL FLY BAIT

Use: Public Health, Industrial health, Insecticide

Company:

Starplex 83 CC
Reg. No. 2004/01564/23
P.O. Box 14374
BREDELL 1623
SOUTH AFRICA
TEL: (011) 979-4246/7

Emergency contact numbers

Tygerberg Poison Center: +2721 931 6129
Griffon Poison Information Centre - 082 446 8946

2. Composition/information on ingredients

Chemical nature

Hazardous ingredients

Methomyl(Carbamate) 10 g/kg
CAS Number: [16752-77-5]

3. Composition/Information on Ingredients

Mixtures

Risk advice to man and the environment: Poisonous by contact and swallowing.
May irritate eyes

4. First-aid measures

Skin contact:

The toxin is a cholinesterase inhibitor and may be absorbed through intact skin. Remove contaminated clothing, rinse affected skin area with plenty of soap and cold water or shower. DO NOT rub skin.

Eye contact:

Irritating, may cause redness, blurred vision, tears, miosis with fixed pinpoint pupils. Immediately wash eyes with copious amounts of clean water for at least 15 minutes, cover with a sterile pad, and contact a doctor.

Ingestion and overexposure:

The toxin is a cholinesterase inhibitor and may cause headache, fatigue, faintness, giddiness, nausea, excessive sweating, abdominal pain, vomiting, blurred vision, muscle twitching, small pupils, respiratory distress, coma.

Symptoms of poisoning may develop after several hours/days. Remove to fresh air, put in half up-right position, give plenty water. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth to mouth respiration, use a disposable protective mouthpiece.

Inhalation:

The toxin is a cholinesterase inhibitor. Prevent inhalation of dust if the material is handled roughly, such as when sweeping up spillage or waste. Remove patient from source of poisoning to well-ventilated area and keep him quiet and reassured. If necessary, administer artificial respiration and oxygen or closed chest cardiac massage.

TLV-TWA for methomyl: 2,5 mg/m³

NOTE TO PHYSICIAN:

Administer Atropine sulphate 2 to 4 mg (adult) intravenously. Repeat every 10 minutes until signs of atropinization occur (dry, flushed skin and tachycardia). Pralidoxime (2 PAM, Protopam) and other oximes are contra indicated. Keep the patient under observation for at least 48 hours.

SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO A MEDICAL PRACTITIONER

5. Fire-fighting measures

Personnel involved in a fire situation with this material should wear self-contained breathing apparatus as toxic and corrosive fumes may be given off, or upon contact with alkaline materials and strong oxidizing agents.

No unprotected person should be allowed in the vicinity.

The decomposed material emits toxic and corrosive fumes.

Fire extinguishing agents to be used: Water fog.

Contain run-off with temporary earth barriers.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Cleaning operations should be carried out only while wearing breathing apparatus. Dispose of

absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and storage

Storage:

Store away from food and foodstuffs.

Handling:

Prevent consumption or contact with the skin.

Wear rubber gloves when handling or mixing bait.

Wash thoroughly with soap and water after accidental contact.

Cleaning of equipment after use: Clean protective clothing, used protective clothing and the workers' personal clothing shall be kept apart.

At the end of each day, all protective clothing and respirators shall be decontaminated, washed, rinsed and dried.

Extra care must be taken when cleaning equipment after use.

Note: During application and when cleaning equipment and protective clothing, contamination of all sources of drinking water, rivers, dams, other crops or grazing shall be prevented. The material is toxic to fish, birds and wildlife.

8. Exposure controls and personal protection

Nitrile rubber gloves, boots, hat, safety goggles, face shield, dust mask/effective respiratory protection, full length protective clothing and rubber-like apron must be worn when loading or storing this material.

General safety and hygiene measures:

Take off immediately all contaminated clothing.

Store work clothing separately.

Keep away from food, drink and animal feeding stuffs.

No eating, drinking, smoking or tobacco use at the place of work.

Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Description: Yellow, dry, free flowing, sugar-like granules.

Solubility: Methomyl, technical: 58 mg/l in water at 25 °C.

Degradation: Methomyl decomposes rapidly in soil.

10. Stability and reactivity

Stability: Methomyl in aqueous solutions decomposes slowly at room temperature; more rapidly on aeration, in sunlight, alkaline media and/or at higher temperatures.

Conditions to avoid: Extremes of temperature and direct sunlight.

Non-hazardous reactions when stored and handled according to prescribed instructions.

11. Toxicological information

LD ₅₀ /oral/rat/male/female:	24 mg/kg
LD ₅₀ /dermal/rat/male/female:	> 1 500 mg/kg
Skin irritant:	Not a skin irritant.
Eye irritation, rabbit:	Irritant.
Sensitization/guinea pig:	Mild skin sensitizer.

12. Ecological information

Ecotoxicity

Toxicity to fish:
Rainbow trout/LC₅₀ (96 h): 3.4 mg/l

Bluegill LC₅₀ (96 h) 0.87mg/l
Aquatic invertebrates:

Persistence and degradability

Methomyl decomposes rapidly in soil.

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment.

13. Disposal considerations

Disposal of residue:	Residue may be disposed of as for toxic waste in accordance with local/national regulations.
Disposal of used packaging material:	Destroy empty containers by perforation and flattening and dispose of in accordance with local/national regulations. DO NOT re-use for any other purpose.

14. Transport information

UN Number:	2757
Class:	6.1
IMDG:	6195
Ems:	6.1-04
MFAG:	505
Subsidiary risk:	•

Packing group: III
Declaration for land shipment: 2757 CARBAMATE PESTICIDE, SOLID, TOXIC
Declaration for sea shipment: 2757 CARBAMATE PESTICIDE, SOLID, TOXIC
Declaration for shipment by air: 2757 CARBAMATE PESTICIDE, SOLID, TOXIC

15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

Risk phrase(s):

R51: Toxic to aquatic organisms.

R55: Toxic to fauna.

Safety phrase(s):

S2: Keep out of reach of children.

S13: Keep away from food, drink and animal feedingstuffs.

S24: Avoid contact with the skin.

S28: After contact with the skin, wash immediately with plenty of water.

S37: Wear suitable gloves.

WHO Classification: III (moderately hazardous)

16. Other information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.
